BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2022-23/OW/WORK_INDENT54338

APPROVED SCHEDULE - B

No.EE(STP/BBMP/E-PMT/19/2022-23, Date: 07-11-2022

Name of Work:Drilling of Borewell and Providing Pump and Motor at in Ward No. 08 Jakkur

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of H Gangadhar ( )	
				In Figures	In Words
1	4.00	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including econnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test	Each	4699.52	Rupees Four Thousand Six Hundred Ninety Nine and Fifty Two Paise Only
2	200.00	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) 0-50mtrs	Rmtr	265.10	Rupees Two Hundred Sixty Five and Ten Paise Only
3	200.00	50-100mtrs	Rmtr	332.74	Rupees Three Hundred Thirty Two and Seventy Four Paise Only
4	200.00	100-150mtrs	Rmtr	353.77	Rupees Three Hundred Fifty Three and Seventy
5	200.00	150-200mtrs	Rmtr	410.44	Rupees Four Hundred Ten and Forty Four Paise Only
6	200.00	200-250mtrs	Rmtr	481.74	Rupees Four Hundred Eighty One and Seventy Four Paise Only
7	200.00	250-300mtrs	Rmtr	510.08	Rupees Five Hundred Ten and Eight Paise Only
8	200.00	300-350mtrs	Rmtr	566.76	Rupees Five Hundred Sixty Six and Seventy Six Paise Only
9	220.00	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty.	Rmtr	1767.00	Rupees One Thousand Seven Hundred Sixty Seven Only
10	40.00	PVC pipes of 10 Kg/cm2 for 200mm	Mtrs	1179.49	Rupees One Thousand One Hundred Seventy Nine and Forty Nine Paise Only
11	4.00	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge	Each	149.92	Rupees One Hundred Forty Nine and Ninety Two Paise Only

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Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of H Gangadhar ( )	
				In Figures	In Wor
12	308000.00	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	Sq.cm	0.34	and Thirty Four Paise Only
13	4.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI Union confirming to IS 1239-II, 1991 with latest amendments if any	Each	200.19	Rupees Two Hundred and Nineteen Paise Only
14	12.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.	Each	159.97	Rupees One Hundred Fifty Nine and Ninety Seven Paise Only
15	12.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for:	Each	200.19	Rupees Two Hundred and Nineteen Paise Only
16	4.00	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Job	5621.87	Rupees Five Thousand Six Hundred Twenty One and Eighty Seven Paise Only
17	4.00	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	Job	1234.07	Rupees One Thousand Two Hundred Thirty Four and Seven Paise Only
18	180.00	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm	Rmtr	133.13	Rupees One Hundred Thirty Three and Thirteen Paise Only
19	180.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm.	Rmtr	10.54	Rupees Ten and Fifty Four Paise Only
20	180.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces	Mtrs	72.78	Rupees Seventy Two and Seventy Eight Paise Only
21	16.00	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm	Mtrs	297.31	Rupees Two Hundred Ninety Seven and Thirty One Paise Only
22	4.00	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 ~~through holes~~ of 12mm dia	Job	3427.97	Rupees Three Thousand Four Hundred Twenty Seven and Ninety Seven Paise Only
23	4.00	Providing,Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3x6 Sqm	Each	470.77	Rupees Four Hundred Seventy and Seventy Seven Paise Only
24	4.00	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5"	Nos	279.56	Rupees Two Hundred Seventy Nine and Fifty Six Paise Only
25	9.00	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00"	Each	70079.66	Rupees Seventy Thousand Seventy Nine and Sixty Six Paise Only
26	250.00	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover)	Each	2788.08	Rupees Two Thousand Seven Hundred Eighty Eight and Eight Paise Only
27	2900.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtrs	214.78	Rupees Two Hundred Fourteen and Seventy Eight Paise Only

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Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of H Gangadhar ( )	
				In Figures	In Words
28	4.00	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	7668.00	Rupees Seven Thousand Six Hundred Sixty Eight Only
29	4.00	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	1142.66	Rupees One Thousand One Hundred Forty Two and Sixty Six Paise Only
30	4.00	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	1165.51	Rupees One Thousand One Hundred Sixty Five and Fifty One Paise Only
31	4.00	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box.	Nos	1142.66	Rupees One Thousand One Hundred Forty Two and Sixty Six Paise Only
32	12.00	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,63 Amps	Nos	133.13	Rupees One Hundred Thirty Three and Thirteen Paise Only
33	990.00	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work.	Cum	429.64	Rupees Four Hundred Twenty Nine and Sixty Four Paise Only
34	2200.00	Providing and installing at site of work 6 Kg/m2: 63mm(weight of pipe -0.662 kg) P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.	Mtrs	139.86	Rupees One Hundred Thirty Nine and Eighty Six Paise Only
35	990.00	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum	111.52	Rupees One Hundred Eleven and Fifty Two Paise Only

Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92